



OSCILLATOR

Volume 24 Number 4

LUNAR ECHOES ON 24 GHz BY W5LUA

April 2001

I was finally able to hear and record my first earth-moon-earth echoes on 24192.1 MHz at 0816 GMT on March 7, 2001. My antenna is a 3 meter Andrews prime focus dish. According to Andrews, the 3 meter dish is rated to 30 GHz with proper back structuring to optimize the dish's surface. The dish really began to perform when I added a back structure which looks like a tic-tac-toe board mounted to the backside of the dish. The eight points of the back structure allowed me to optimize the dish's surface by pushing or pulling on the back of the dish to enhance the accuracy of the dish's surface. The end result was improved sun and moon noise. I presently receive 12.5 dB of sun noise and 1.3 dB of moon noise. My feed is a scalar feed optimized per the "W1GHZ On-Line Antenna Handbook". My dish has an F/D of 0.3.

See 24 GIG, Page 4

Next Meeting — Wednesday, April 11th at 7 PM

Join us in April for an update on QRP activity. One of the fastest growing segments of the hobby, QRP operation has spread to all bands and modes.

Come at 6:00 PM and enjoy a no-host buffet dinner at the Elks'.

Prexy's Prose JD FORT, K7JDF

...*the*
hobby...

It happened again! I'm in my office, minding my own business, when an attorney acquaintance calls me. He proceeds to ask about *the hobby* he knew I was in when I ran the audio consoles and screened calls for him during a weekend legal show he hosted on my broadcast radio station. I stopped what I was doing and wound up spending 45 minutes answering questions about *the hobby*. My best efforts were at encouraging him to order study materials. I gave him the locations of test sites coming up in the next few weeks.

He, like me, had entered his mid 40is and was bound and determined to enjoy life a little.

See PREXY, Page 3

In This Issue

Lunar Echoes on 24 GIG 1

For New Hams Only... 2

METRO SHAKE '01 2

The BIG Prize... our quarterly drawing 3

Equipment Loan and For Sale 4

OREGON QSO Party 4

K7RAT worked SM7BAE on 6 7

What does it take to do 6 Meter EME 8

**EME Articles
on 24 Gig and
6 Meters
This month**

For New Hams Only! From the archives of *The Oscillator*

This article is devoted to those hams having trouble finding reasons to get on the air. The first few months, for most amateurs, is like getting married. Exciting! It wears down a bit in time but the early habits often dictate how you enjoy the hobby later.

Most new hams can be nervous in the simple act of tuning up the rig. The very thought of getting on the air is enough to cause sweaty palms. The real truth is, if the room temperature seems to go up at least 20 degrees, relax, you are normal.

"What do I say?" "I'll make too many mistakes!" "What if he sends too fast?" All these are mental excuses for NOT doing what you studied so hard TO DO. Others worry that they are not good conversationalists. It makes no difference!! Here are two words to help you out. *INCENTIVE* and *GOAL*.

Perhaps this solution will work for you. There are many awards offered by the ARRL To get one you must get on the air. You might not give a hoot for the certificate. How about the personal challenge of knowing you fulfilled the needed requirements? Lets say that you pick from Worked All Continents (WAC), DXCC or the very popular, Worked All States (WAS) award. Set the WAS award as your *GOAL*, your *INCENTIVE*.

Most of us starting out in ham radio have limited equipment. Referring in this case to antenna systems. DXCC is difficult enough with heavy-duty gear and WAC is not enough of a challenge. Therefore, let us concentrate on WAS to cause you to get with it and OPERATE.

The first few contacts will find you with the sweaty palms and etc. After a while the excitement of nailing down another one will make you forget about all else. Send for the ARRL WAS map. On the front is a USA map and on the back a list all the states and a space to write in your selected contacts. If you prefer, make up your own, but HAVE IT AT YOUR OPERATING AREA. When you make a contact in a new state, mark your map with a dot and when you receive the QSL card, color in the state and record it on the back. It will not take very long before you will be asked by your friends or family about the possibility that you might have lost two or three marbles.

See NEW HAM, Page 6

EXAM SCHEDULE Carl, WS7L

We *continue* holding Exam Sessions on the first Saturday of each even numbered month throughout 2001:

2 June (SeaPac)	4 August
6 October	1 December

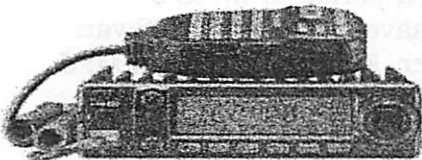
Contact Carl, WS7L, 503-629-5796 or ws7l@arrl.net, to register. Reimbursement amount for 2001 is \$10.00 per exam session. There may be openings for additional Volunteer Examiners on our team. Contact Carl to express your interest.

"Metro Shake '01" by Sharon, KD7CWP

Wednesday, April 11th, 1 - 9 PM, a regional earthquake exercise covering five counties will be held. Twenty agencies in Washington County have requested amateur radio staffing. The scenario is a 6.0 earthquake under Lake Oswego, with pockets of damage throughout the area. This could be our biggest exercise event ever, and we want you to join in the fun! We will run two shifts, so you can come after work. We'd like to staff each location with at least 2 people per shift, so we're looking for 80 amateur radio operators! Ben Johnson, N7OGM, ARES Emergency Coordinator, is doing the staffing. Contact Ben, bentonj@coho.net, to volunteer.

The BIG Prize... This Quarter's Drawing

At the April meeting we'll start selling tickets on a ICOM 2100 drawing. Tickets are 3 for a \$1.00 each, 8 for \$5.00. We will make tickets available at each meeting until sufficient tickets are sold to pay for the rig. The normal retail for this ICOM 2100 is around \$180.00. Rich, NF7D, at Tigard Ham Radio Outlet is helping make this happen. Quite a prize indeed!



It is the desire of the OTVARC board to conduct a drawing each quarter. The drawing will be in addition to our regular monthly meeting drawings.

2 Meter 55 watt mobile rig with 113 memory channels.

So if you want a chance to own this nice rig, bring \$\$\$\$ and join in the fun. See Dean, KLØUX, during the monthly club meeting to participate.

The drawing is open to all present at each club meeting. As long as the drawing remains open, tickets may be obtained by contacting Dean, KLØUX at deandavis@alpinesoft.com.

Prexy, from page 1

He became involved in a group of off-road enthusiasts. As he compared notes with other members, he saw several of them using CB radios to communicate. In a casual conversation with one of the off-road members he learned that ham radio was a really good way to maintain communication, just about anywhere on the planet. The topic reminded him of our previous conversation [a couple of years earlier].

The next few days filled with a flurry of e-mail as he gave me frequent reports on how well he was scoring with sample tests from an Internet site I showed him. Finally, in only about two weeks from our re-acquaintance call, he headed for a Sunday night test session. Sunday came, then Monday. I was afraid to call, fearing the worst. Maybe he had taken the test too soon. After all, it had taken me two tries for Novice, Tech and General.

Finally, I couldn't stand the suspense. I fired off an e-mail note, trying to make it cheerful and encouraging as I could. Less than a half-hour, back came an e-mail reply. "JD, I meant to tell you out of 30 needed to pass, I got 35!" (Show off!)

Now my friend and I are measuring which one of us has the faster connection to the QRZ web site. It is truly a thrill to witness someone going from a casual interest in *the hobby* to a full-fledged "let-me-at-that-HRO-catalogue" new ham fanatic.

Maybe it's just the first few days of spring doing it. The birds are singing a little longer in the evening, the sound of lawnmowers permeates the neighborhoods and wait...there's another call from my new ham friend.

Take a little extra time this spring; don't hesitate to spread *the hobby* around. Believe me, it is a great reward.

73, JD

Equipment Loan...And, Equipment For Sale, by Dean, KLØUX

For a number of years OTVARC has had an equipment loan program to help hams get on the air. For the "newbe" getting a station together can be expensive. Using the loan program, a member can "check out" any item, much like a library. Use can be for a period of up to 3 months and renewals are available if no one is waiting. Currently we have the following: Swan 500c transceiver, Drake TR4 transceiver, Heathkit HW-101 Transceiver, Kenwood 120, an MFJ tuner, and several antennas. You will notice the equipment is old "glow in the Dark" tube type equipment.. Therefore, we have available for sale the HW-101 for \$100.00, the Swan 500C for \$150.00. The Kenwood unit is available for parts [the audio chips is fried, no longer available]. Make an offer on it.

Money collected will purchase a more "state of the art" used rig that will be in the loan program. We are keeping the TR4. If you are interested in purchasing or borrowing any of this equipment please see Dean, KLØUX, or phone 503-598-9083.

24 GIG, from Page 1

My LNA is a 2 stage W5LUA homebrew design using a pair of Agilent Technologies PHEMT devices which provided a 2.25 dB system noise figure. My basic transverter is built around surplus 23 GHz modules which down-converts to a 2304 MHz IF which is then down-converted to a 144 MHz IF with a Down East Microwave transverter to an ICOM IC-271 transceiver. I was able to achieve about 20 watts at 24192 MHz by re-tuning a Varian VTU-6191 14.5 GHz TWT which I have been using on 10 GHz EME at about 80 watts output. Re-tuning consisted of lowering the Helix voltage and doing some tuning in the output waveguide section.

I was using Mike Owen's Realtrak Software to track the moon. I was concerned about the accuracy of the doppler calculation of the various moon tracking programs which I have used in the past. With an expected doppler of up to 50 kHz, there is not a lot of margin for error when tuning for echoes. I ran some echo tests on 10368 MHz and came to the conclusion that Mike's software was the most accurate at 10368 MHz. I therefore placed my confidence in his software at 24192 MHz. Based on the doppler shift of the received echoes, I believe Mike's software predicted the returns within a few hundred Hz.

See 24 GIG, Page 7

2001 Oregon QSO Party, by Bill, K7ZM

The Central Oregon DX Club will sponsor the 2001 Oregon QSO Party on Saturday, May 13th. The event begins at 1400Z, May 12th. For us in Oregon, the event runs Saturday, May 12th from 7 AM to 7 PM. Oregon stations work everyone. Others Oregon stations only. Work stations once per band/mode, mobiles again as they cross county lines. Exchange RS (T) and Oregon county, state, province or DXCC country. Scoring: One point for SSB QSO. Two points for CW. Oregon stations multiply QSO points X Oregon counties worked, states/provinces, and DXCC countries. Others X Oregon counties worked (Max 36). See OREGON QSO, Page 6

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TRAVELERS'

Travelers' campout for April will be at Bay Shore RV Park and Marina in Netarts, Oregon, the 20th to 22nd of April.

For information, and to reserve a site, contact the wagon masters, Roger KA7RNN or Marvel KA7TZT Noyes at 503-292-3261.

About Bay Shore:

Good paved interior roads. 53 sites, 1 paved, 52 gravel, patios, some shaded, 11 pull-through 30X55, back-ins 30x40, full hookups.

Cable TV, restrooms & showers, public phone, laundry, limited RV supplies, LP gas, Rec hall, boat ramp, boat & crabbing gear rental, tackle.

Directions:

From junction of US 101 and Netarts Highway (3rd street) west 5.8 miles to Bilyeu Ave, southwest 0.2 miles.

Fifth Wednesday Contest

The Fifth Wednesday Contest is designed to test our simplex communication capabilities. Using the Club Simplex Frequency, 147.54, we attempt as many QSOs as possible in an hour. The report sheet will be printed in the May *Oscillator*.

Our next Contest is scheduled for May 30th. Why not give it a try?

PUBLIC SERVICE EVENTS

21 April

MS Walk - MS Society
Randy Stimson KZ7T
kz7t@arri.net

19 May

Reach The Beach - Lung Association, Randy KZ7T, kz7t@arri.net

21 July

Rose City Relay
Steve Johnson N7VIC
signpeddler@home.com

13-14 July

Rainier To Pacific
Steve Johnson N7VIC

28 July

Summit To Surf -Diabetes Association, Betty Mickley N7REX, n7rex@teleport.com

1 August

Columbia Classic - 1000 Friends of Oregon, Randy KZ7T, kz7t@arri.net

4-5 August

MS 150 -MSSociety
Hams: Rand, KZ7T,
kz7t@arri.net

Lunch: Betty, N7REX,
n7rex@teleport.com

12 August

Bridge Peddle -
Providence Healthcare
Jim Schaeffer KB7ADH
jim@sulzerpumps.com

24-25 August

Hood To Coast
Steve Johnson N7VIC
signpeddler@home.com

ISS Special Event Day

ARISS has declared April 12, 2001 as Special Event Day for the Int'l Space Station. The Amateur Radio on the Int'l Space Station team set April 12 to be Cosmonautics Day for ham radio on the Int'l Space Station. The day will mark the 40th anniversary of the first human space flight by cosmonaut Yuri Gagarin, the 30th of Salyut 1--the first space station, and the 20th of the launch of the first reusable space vehicle--the space shuttle.

8-16 September

Cycle Oregon - DOT
Randy, KZ7T
kz7t@arri.net

16 September

Race For The Cure
Amer Cancer Society
Marti Brucher W7AYL
w7ayl-marti@juno.com

30 September

Portland Marathon
Hugh Ellsworth KB7LJV
kb7ljv@arri.net

October

Walk To Cure Diabetes
Diabetes Association
Betty Mickley N7REX
n7rex@teleport.com

23 November

Santa Claus Parade
Meyer & Frank
Jim Schaeffer KB7ADH
jim@sulzerpumps.com

To get additional information about a given

6 EME, from Page 7

Tree began to work on 6 meters nearly 4 years ago. He had been interested in Contesting and Traffic handling. His contest interest led him to look for a challenge. Working 160 meter DX became that challenge more than 25 years ago. It was Lew Sayer, W7EW, who helped extend the challenge to 6 meters. Lew is interested in trying for Europe on 6 meters.

Lew taught Tree about openings and how to pursue them. They are much more predictable on 6 meters than on HF generally. Tree says 6 meters becomes like a contest when the band opens. June and July are prime months for 6 meter activity and 95% of his 6 meters contacts are achieved in those two months.

Tree has installed a second 6 meter station in his barn so he can keep track of afternoon and evening openings. On December 1st last year, he and his daughter heard the beginnings of an opening on 6 meters to Japan. They "beat feet" to the house and in the next 35 minutes worked 95 stations, all of it DX. He calls it an incredible experience.

Tree and Lew have a goal to work Europe on 6 meters. It will be a multi-hop propagation situation. No one has done it from Oregon. Tree and Lew are competing to be first. Of course, the 1998 sched with Kjell, SM7BAE, is a European contact, but Tree wants to make the terrestrial contact to go with his EME QSO. Read more of Tree's story at web.jzap.com/K7RAT/sixeme.html.

[See "What Does It Take to do Six Meter EME", Page 8]

OREGON QSO, from Page 4

Add 50 bonus points for working special call sign K7O, another 100 bonus points for working club station K7ZZZ.

Suggested frequencies:

PHONE: 1.880 3.980 7.280 14.280 21.380 28.380.

CW: 1.810 3.725 7.125 14.035 21.125 28.125.

VHF: 50.125 145.025 146.550.

No repeater QSO's.

Awards: Send logs by May 25 to Oregon QSO Party, C/O C.O.D.X.C. 19821 Ponderosa Street, Bend, OR 97702.

Please join us in making this the BEST Oregon QSO Party, ever!

NEW HAM, from Page 2

Do not call CQ. Listen. When you find a needed state, copy the QSO and call when he is done. The excitement will be more important than your early uncertainty. This is guaranteed! By the time you finish getting WAS you will be a seasoned amateur radio operator. If this helps one new ham, it is worth it. **GOOD LUCK!!** Don't stop now, why not try for 10 meter WAS? Yes, Tech Pluses can get 10 meters WAS.

[This article is based on an article which appeared in a previous issue of *The OSCILLATOR*. This version was written by Everett, W6ABM]

K7RAT worked SM7BAE EME on 6, by Everett W6ABM

K7RAT worked SM7BAE on six meter moonbounce, July 13, 1998 UTC between 0633 and 0646Z. The frequency was 50.033 MHz. This was an exciting achievement for the operator and the Boring Amateur Radio Club, K7RAT.

The primary operator was Tree, N6TR of Boring, Oregon. He reports that he and Kjell were working on a schedule. "Kjell and I were using one minute sequences. This means he transmitted for the even minutes and I transmitted during the odd ones," tree says. "At the end of my transmission during 0633Z, I heard the end of my call come back from the moon" first sounding like a low tone since "I was listening up higher in frequency for Kjell's signal (which comes back around 500 Hertz above my transmit frequency)."

"After hearing this, I sent Kjell his signal report (339) during minutes 35, 37, 39, 41, 43 and 45 with nothing heard. I thought maybe I heard something during minute 38, but it wasn't enough to be sure. Finally, at minute 46, Kjell came up enough to hear him sending "33N" two or three times. The moon was approaching 6 degrees of elevation at this point - which is the calculated peak for my major lobe. I spent minute 47 sending QSL over and over, and minute 49 sending 73."

Tree, N6TR, was using a 7 element beam on a 37 foot boom at 45 feet in height. He was running 1050 watts output from a pair of 4-250As in ground-grid, and 130 feet of 7/8 inch hardline to the antenna. The rig was a TS-850 with Down East Microwave transverter and a Teletec solid state amp.

See 6 EME, Page 6

24 GIG, from Page 4

On the evening of March 6 local time I had just installed my elevation rotator which allowed me to remote operate the dish from the hamshack. Previous attempts at echoes were with all equipment mounted in a shed near the dish. I had tried for echoes prior to zenith but only thought I had heard echoes. Some clouds were beginning to cover the moon so I decided to set my alarm clock for about 2AM and give it a shot on the setting moon.

First discernable echoes were heard at 0816 GMT with the moon at an azimuth of 268.8 degrees and an elevation of 38.8 degrees. The Doppler shift at this time was a negative 45.3 KHz. Echoes peaked very well at 0848 GMT where the elevation was down to 31.5 degrees and the Doppler shift was a negative 49.1 KHz. At this point, I ran out of azimuth control with my present set-up. My lunar echoes peaked Q5 (M copy) in a 2 kHz bandwidth and were easily identifiable on AF9Y's DSP software. This triumphant event came after several years of optimizing the system and many failed attempts at achieving lunar echoes. I was rather surprised to find that the echoes did not seem to be much broader than my 10 GHz echoes, maybe due to the 0.3 degree beam-width of my dish.

More information including the AF9Y .gif files will be posted on the North Texas Microwave Society web page at www.ntms.org

Now to make a QSO! 73, Al Ward, W5LUA
EM13 Allen, Texas

What Does it Take to do Six Meter E.M.E?, by Tree, N6TR

When I first started thinking about trying six meter E.M.E, I got lots of advice from various people on what it took to make it. This article summarizes their input with a few additions based upon my own experience.

We will assume that you aren't one of the lucky few who have four antennas phased, with azimuth and elevation positioning. This article is really aimed at those who have a single beam and might want to try.

Here is one description of a minimal EME setup that is capable of making the grade:

- Two wavelength boom with 7 or more elements (computer optimized).

- Flat terrain in the direction of the moon - with good ground conductivity.

- Low feedline loss (less than .5 db).

- Quiet receiver (< 1 dB noise figure).

- 750 watts of output power.

This is pretty close to my station description used to both hear my own echo and to work Sweden. K0GU has heard echoes with the same basic configuration.

Other ways to describe the minimum requirements include:

- 18 db of antenna gain (or 36 db circuit gain).

- 40-50 kilo-Watts E.R.P.

With a minimal configuration, you need to pick your opportunities carefully. Do not try to hear your own echo during apogee. The moon is 10 percent further away at this point, and the attenuation is significantly increased. Apogee seems to happen close to the new moon, which is also when the sun noise is the worst.

The early evenings with a nearly full moon are a good time - or early mornings before sunrise. You might also want to take a look at the position of the moon with respect to other noise sources in the sky.

If you are serious about trying for a QSO, you should send a mail message to the sixeme list and ask for advice. You are sure to generate some interest by the "super stations" who can hear you even if you can't hear yourself. To subscribe to this list, send an e-mail message to sixeme-request@kkn.net with the word subscribe in the text. Send posts to sixeme@kkn.net.

Places on the Internet to Learn More about 6 Meters

Start at Tree's site: web.jzap.com/K7RAT/sixeme.html and you'll find links to N1BUG's 6 meter sites. For international information, go to www.Mycom.co.nz/zl3tic/xl3tic.htm. At this site you will find links to Pacific, Australia, and New Zealand, where 6 meter activity is great. New Australia Radio Magazine at www.datafast.net.au/4217/index.html will introduce you to the site of Steve, VK3OT. Join the VHFSKIP site at Yahoogroups for daily posts of openings.



Oregon Tualatin Valley Amateur Radio Club

Field Day Information Sheet

Field day is fast approaching and it is necessary that we have the following information soon as possible to whether or not you will be attending. You cannot plan a party if you do not know the number of guests!! So, please if you are planning to attend take a moment and complete this information sheet and return it to the address on the back of this form or bring it to the April business meeting on April 11. Thanks.

I hope to attend: Friday _____ Saturday _____ Sunday _____

I can help with Antenna setup on Friday at 2:00pm _____

I would like to operate CW _____, PHONE _____, Early AM _____ PM _____ LATE Night _____

I would like to Log CW _____, PHONE _____, Early AM _____ PM _____ LATE Night _____

I would like to Operate _____ Log _____ UHF/VUF _____ Early AM _____ PM _____ LATE Night _____

I would like to Operate Digital _____

I am willing to help where help is needed: Yes _____ No _____

Name _____ Call _____ Phone _____

There will be _____ people attending with me I am a Novice/Tech Plus _____ I am a member of ARES _____

We need volunteers to organize the following activities:

_____ Friday camp setup
_____ Friday Antenna setup
_____ Friday social hour

_____ Grounds Management
_____ Caffeine Manager (Coffee, tea)

_____ Camp Cleanup on Sunday

_____ Saturday Breakfast setup
_____ Saturday Lunch Setup
_____ Saturday Dinner Setup
_____ Sunday Breakfast

_____ Youth Activities for Saturday
_____ Marshmallow roast Saturday Night

_____ Tow club trailer to/from Field Day site

Other Needs:

_____ Generator to run our logging computers
_____ Several canopies for dining etc.
_____ Orange Plastic safety fencing w/poles
_____ Folding tables
_____ Radios
_____ Antennas
_____ OTVARC/HAM Information table

_____ I can setup/operate slow scan TV (SSTV)
_____ I can setup/operate ATV
_____ I can setup/operate APRS
_____ I can setup/operate a satellite station
_____ I can setup solar power

In early June I will be mailing to all of the people who have registered a packet of material including a sample checklist of what you can bring for yourself to make this event more enjoyable and a summary of the ARRL rules. Also included will be some notes on operating procedures for those of you whole will be at the key or mike during this event.

Fold Here



Dean Davis
10910 SW Chateau Lane
Tigard, OR 97224

Fold Here

Club Contact Directory

OTVARC Executive Board

President	J.D. Fort	K7JDF	k7jdf@arri.net	503-259-0269
Vice President	Phil Teck	N7OY	philmay@hevanet.com	503-649-7533
Secretary	Dean Davis	KLØUX	deandavis@alpinsoft.com	503-598-9083
Treasurer	Linda Sutton	KC7YTD	kb7pww@arri.net	503-246-8879
Trustee	Wes Allen	K7WWG	wesa@dnc.net	503-649-3295
Trustee	Janet Bell	WB7FJC	wb7fjc@arri.net	503-648-4147
Trustee	Jim Blanchard	W7HOW	w7how@arri.net	503-579-0248
Trustee	Alvin Carlson	KB7VHI	kb7vhi@arri.net	503-629-5728
Trustee	Julia Landers	KD7GQW	kd7gqw@aol.com	503-646-1546

Club Functions

ARRL Coordinator	Bob Orr	WF7Q	boborr@onlinemac.com	503-472-2716
Equipment Loan	Dean Davis	KLØUX	deandavis@alpinsoft.com	503-598-9083
Equipment Valuation	Randy Stimson	KZ7T	kz7t@arri.net	503-297-1175
Equipment Trustee	Al Berg	W7SIC	w7sic@pocketmail.com	503-816-7098
Emergency Services	Alvin Carlson	KB7VHI	kb7vhi@arri.net	503-629-5728
Field Day Coordinator	Harold Landers	WAØBRU	waØbru@aol.com	503-646-1546
	Dean Davis	KLØUX	deandavis@alpinsoft.com	503-598-9083
Health & Welfare	Linda Sutton	KC7YTD	kb7pww@arri.net	503-246-8879
Historian	Al Berg	W7SIC	w7sic@pocketmail.com	503-816-7098
Internet Home Page	Marc Chamberlin	WA7PXW	marcc@easystreet.com	503-357-1869
	Betty Mickley	N7REX	n7rex@teleport.com	503-642-1284
Member Badges	Carl Clawson	WS7L	ws7l@arri.net	503-629-5796
Newsletter Editor	Everett Curry	W6ABM	w6abm@arri.net	503-681-2345
Newsletter Distribution	Dean Davis	KLØUX	deandavis@alpinsoft.com	503-598-9083
Nominating Committee	Jim Blanchard	W7HOW	w7how@arri.net	503-579-0248
Public Relations	J.D. Fort	K7JDF	k7jdf@arri.net	503-259-0269
Scholarship	Carl Clawson	WS7L	ws7l@arri.net	503-629-5796
Sea-Pac	Al Berg	W7SIC	w7sic@pocketmail.com	503-816-7098
"	Brad Beach	N7NVC	bbeach@teleport.com	503-657-1781
"	Jim Schaeffer	KB7ADH	jim.schaeffer@sulzerpumps.com	503-245-2518
"	Randy Stimson	KZ7T	kz7t@arri.net	503-297-1175
"	Will Sheffield	N7THL	n7thl@juno.com	503-642-7314
Station Trustee	Hanford Van Ness	KE7BB	ke7bb@email.msn.com	503-246-7975
Social	Harold Landers	WAØBRU	waØbru@aol.com	503-646-1546
Trailer	Dee Lynch	K7JRB	deek7jrb@arri.net	541-745-1025

Interest Contacts

Project Night	Alan Chinnock	KB7POR	kb7por@aol.com	503-636-2237
QRP				
Repeater	Wes Allen	K7WWG	wesa@dnc.net	503-649-3295
Public Service	Randy Stimson	KZ7T	kz7t@arri.net	503-297-1175
RFI & TVI	Dale Mosby	K7FW	dale@sequent.com	503-640-0217
Satellites	Everett Curry	W6ABM	w6abm@amsat.org	503-681-2345
Technical Specialist				
Tower Ordinances	Greg Milnes	W7OZ	w7oz@arri.net	503-648-6990
Training (upgrade)	Janet Bell	WB7FJC	wb7fjc@arri.net	503-648-4147
Travelers	Betty Mickley	N7REX	n7rex@teleport.com	503-642-1284
VE Test Coordinator	Carl Clawson	WS7L	ws7l@arri.net	503-629-5796
VHF/UHF	Arnold Jensen	W7DSA		503-543-3713

Birthdays for April....

Kenneth Moore (4/4), Ernest Johnson (4/24), Sally Butterfield (4/26), Mel Sutton (4/12), Maybelle Altman (4/4), Wes Allen (4/18).

Please join in wishing all of these folks a "Happy Birthday"

Dean, KLØUX

Hamfests And Conventions

21-22 April 2001

Washington State Conv. & Yakima Hamfest

Yakima, Washington

Eagle.ykm.com/~wyaq/x-hamfest/hamfestreg.html

Masonic Center

510 North Naches Avenue

ka7ljq@arri.net

12 May 2001.

Fourth Eugene Ham Fair

www.angelfire.com/or/loband/LEE.html

Bingomania Building

333 River Avenue

Eugene, Oregon

kk7hm@netzero.net

1-3 June 2001

Northwestern Division

ARRL Convention

Tualatin Valley ARC

Seaside, Oregon

http://www.seapac.org

Randy Stimson, KZ7T

PO Box 219295

Portland, OR 97225

503-641-3776

kz7t@arri.net

8-10 June 2001

Wenatchee Hamfest

Dryden gun club grounds near

Dryden, Washington

John Lathrop

N7rhy@gte.net

20-22 July 2001

Montana State Convention

Glacier/Waterton Int'l Hamfest

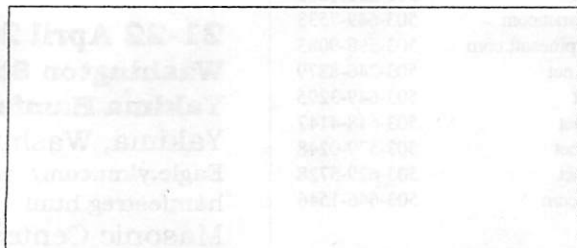
Three Forks Campground

Hwy 2, East Glacier MT

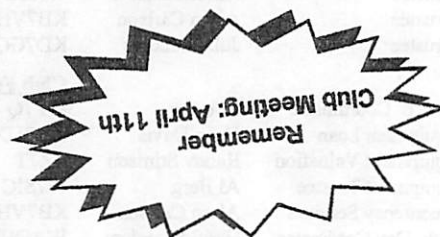
www.gwhamfest.org

Gerry Leach, VE6BVZ

Leachg@cadvision.com



Editor: W6ABM@arrl.net
Simplex: 147.54 MHz
Repeater: 440.350 (127.3)
Repeater: 146.96 MHz
Web: WWW.OTVARC.ORG



Oregon Tualatin Valley
Amateur Radio Club
Post Office Box 5132
Aloha OR 97006-0132

OTVARC

Club Information

Purpose: The Oregon Tualatin Valley Amateur Radio Club, a Not-for-profit corporation, wants to be instrumental in helping the prospective and established Amateur to become a proficient communicator in the Amateur Radio Service.

Additionally, our intent is to promote the advancement of Amateur Radio Service, through the following five objectives:

1. Education & Training of new and licensed Amateurs.
2. Public Service during events & community activities.
3. Emergency communications in emergencies & disasters.
4. Hobby enhancement through meetings, nets & contests.
5. Social contact with other amateurs & interested persons.

Special Service Club: OTVARC is an ARRL Special Service Club. The ARRL grants us this distinction due to our participation in emergency preparedness exercises, public service events and other service-oriented programs. In addition, continuing educational and training programs are conducted for FCC licenses. OTVARC benefits when you join or renew your membership in the ARRL through the club. Contact the treasurer at any regular meeting.

Newsletter: The OTVARC Oscillator is the club newsletter. It is published monthly and mailed on the first of the month. Opinions, views, and recommendations of its contributors are not necessarily those of the club, its officers, advertisers or the editorial staff. Editor's E-mail: ecurry@teleport.com. May 2001 OSCILLATOR deadline is Friday, April 20th.

Internet Home Page: WWW.OTVARC.ORG



Correspondence: All correspondence may be sent to **OTVARC, PO Box 5132, Aloha, OR 97006-0132.**

Meetings: We have two meetings per month. The Board meeting is on the fourth Wednesday of each month. Club business is conducted at this meeting. All members are welcome to attend. Contact the President for location and time. The general meeting is on the second Wednesday of each month at the Beaverton Elks Lodge. 3500 SW 104th Ave. (1 block north of Canyon Road). Meetings start at 7 PM. If you would like to come early, you can get a nice meal from the Elks for less than \$6.00.

Membership: OTVARC is open to anyone who is interested in amateur radio. You do not need to be a licensed radio amateur to join. Dues are: Full member, \$10/yr; Associate member (non-licensed), \$10/yr; Family members of full member, \$5/yr; Life memberships available - see the Treasurer. Only full members and life members may vote on club business and serve as club officers. All memberships expire on the last day of the calendar year. If you would like to join during the year, see the club treasurer for prorated dues schedule.

How to join: Mail the Membership application and/or renewal form with your dues to the Club address.